

## **FIGURE 22**

></usr/seqdb2/sst/DNA/Dnaseqs.min/ss.DNA45416  
><subunit 1 of 1, 321 aa, 1 stop  
><MW: 35544, pI: 8.51, NX(S/T): 0  
MGILLGLLLLLGHLLTVDTYGRPILEVPESVTGFWKGDVNLPCITYDPLQGYTQVLVKWLVQRGS  
DPVTIFLRDSSGDHIQQAKYQGRHLVSHKVPGDVSLQLSTLEMDDRSHTYTCVITWQTPDGNQ  
VVRDKITELRVQKLSVSKPTVTTGSGYGFTVPQGMRIQLQCQARGSPPISYIWKQQTNNQE  
PIKVATLSTLLFKPAVIADSGSYFCTAKGQVGSEQHSDIVKFVVKDSSKLLKTKTEAPTTMT  
YPLKATSTVKQSWDWTDDMDGYLGSETSAGPGKSLPVFAIILIIISLCCMVVFTMAYIMLCRKT  
SQQEHVYEAAAR

### **Signal Sequence:**

amino acids 1-19

### **Glycosaminoglycan attachment site:**

amino acids 149-152

### **Transmembrane domain:**

amino acids 282-300

069578-1

GCGCCGGGAGCCCATTTGCCCCACAGGGGACAGGGGCGCGGGGCCGGCTCCCGCCCGGCACAT  
 GGCTGCAGGCCACCTTCGGCGGCACCCGAGGCGAGCTCGCCGACCTCGCCCGAGGTCGTCGGA  
 GCGCCCGCGCTCCCGGAGCCAGACGACCTGAGCGGGGAAGCGCCGCGTCGCGGGATC  
 GGGATCTGTCCTCTCTTCTCCTCTTGTCTAGTTTCCCTACTATCTTTGGAACCTTGGGGACTCA  
 CACTGAGATCAGAGAGTGGCAGGAGAAAGGTCACTTTGCTCTGCCACTCACTCACTGGGGC  
 TTCCAGAAAAAGACACTCTGGATTTGAATGGTGCTCACCGATAATGAAGGAAACCAAAAA  
 GTGGTGATCACTTACTCCAGTCTGCTCATGTCTACAATAACTTGACTGAGGAACAGAAAGGCCCG  
 AGTGGCCTTTGCTTCCAATTTCTGCGAGAGATGCTCCTCTTCAGATTGAACCTCTGAAG  
 CCAGTGTAGAGGGCCGGTACACCTGTAAGGTTAAGAATTCAGGGCGCTACGTGTGGAGCCAT  
 GTCATCTTAAAGGCTTTAGTGGACCATCAACCGCCCAAGTGTGAGTTGGAAGGAGAGCTGAC  
 AGAAGAAGTGACTGACTGACTTTGCAGTGTGAGTCATCTTCGCGACAGAGCCCATGTGTATT  
 ACTGGCAGCGGAATCCGAGAGAAAGAGGTGGAGAGATGAACGCTTCGCTCTCCAAATCTAGGATT  
 GACTACAACACCTTGACGAGTCTTGCTGCAGAAATCTTACGTGCTCTCACTCTGGACTGTA  
 CCAGTGCACAGCAGGCAACGAAAGCTGGGAAGGAAGCTGTGGTGCGAGTAACTGTACAGT  
 ATGTACAAGCATCGGCATGGTTGCGAGGACAGTGCACAGGCATAGTGGCTGAGGCCCTCTGCT  
 ATTTTCTCTTGGTGTGGCTGTCTAATCTCCGAAGGAAGAACAAGAAGATGATGAGGAAGAAGA  
 GAGACCTAATGAAAATTCGAGAAGATGCTGAAGCTCCAAAAGCCCGTCTTGTGAACCCAGCT  
 CCTCTTCTCCAGGCTCTCGGAGCTCAGCGCTCTGGTTTCTTCTCCATCTCGCTCCACAGCAAAT  
 AGTGCCCTCAGCGAGCCGCGGACACTGTTCAACTGACGCGACCCAGCAGCGGCTCCGCCAC  
 CCAGGCATACAGCTAGTGGGGCCAGAGTGTGAGAGGTTCTGAACCAAAGAAAGTCCACCAT  
 TCAATCTGACCAAAGCAGAAACCAACCCAGCATGATCCCCAGCCAGAGCAGAGCCCTTCCAA  
 ACGGTCTGAATTACAATGAGCTTGACTCCACGCTTTCTCAGAGTCAAGGCTCTTTGGACTC  
 TTCTCGTCTGAGGCTCAAGTCAACAGCCACACAACAGATGAGAGGTCATCTTAAGTAGCA  
 GTGACGATTTGCGAGAACCAATTCAGATGAGCATTTTCTTACAATACCAACAGCAACAA  
 AGGATGTAGCTGATTCTCTGTAAAAGGCATCTTATTGTGCCTTTAGACCCAGATGAAGGG  
 AAAGCAGGAGTCCAAATCTATTTTGTGACAGGAGCTTGTGTGAGAAGTTGGGGAAGAAGTG  
 AGGTAATATACATAAAATTTTAATGTGGGATTTTGTATCATGCTTTGATTCAAAAT  
 TTCAGAGGAAGATTTGGGATGCTGTTGTAAATTTTCTATGCATTTCTGCAAACTTTATGGATT  
 ATTAGTTAATCAGACGTCAAGCAGAACCCACAGCCTTATTACACCTGTACACCATGTAC  
 TGAGCTAACCCACTTCTAAGAAACTCCAAAAAGGAAACATGTGCTTCTTATCTGCTATTAACT  
 TTCAITTTGTCAATAAGGTTTGGATATAAATTTCAAGGGGATTTGAAATAGTGGGAGATGGAGA  
 AGAGTGAATGAGTTTCTCCCATCTATACTAATCTCACTATTGTATTGAGGCCAAAATAAC  
 TATGAAGAAGGACAAAAATTTGTGACAAAGGATTGTGAGAAGCCTTCCATCTTCTATGATGTT  
 ATGAGGATTGTTGACAAACATTAGAAATATATAATGGAGCAATTTGGGATTTCCCTCCAAAT  
 CAGATGCTCTAAGGACTTCTCTGCTAGATATTTCTGGAAGAGAAATAACAACATGTCAATT  
 TATCAACGTCCTTAGAAGAAATTTCTTACAGAAAAAGGGATCAGGAATGCTGAAAGATA  
 CCAACATACCATTTATAGTCTCTTCTTCTTGAGAAAATGTGAACCAAGAACTGGAAGACTGG  
 GTGGACTAGAAAGGGAGATTAGATCAGTTTCTCTTAATATGTCAAGGAAGGTGACCGGGCA  
 TGGTGCCAGGCACTGTAGGAAAAATCCAGAGGTTGAGGTTGCAGTGAAGCCGAGATTATGCC  
 ATTGCACTCCAGCCTGGGTGACAGAGCGGGAATCTCGTCTC

[illegible]

```
><subunit 1 of 1, 373 aa, 1 stop
```

MSLLLLLLVSYVYVGLGTHTEIKRVAEEKVTLPHCHQLGLPEKDTLDEIWLTTDNEGNQKV  
VITYSSRHVYNNLTTEEQKGRVAFASNFLAGDASLQIEPLKPSDEGRYTCKVKNSGRYVWSHV  
ILKVLVRPSPKPKCELEGELTEGSDTLTQCESSSSTEPVIVYYQRIREKEGEDERLPPKSRID  
YHNPGRVLLQNLTSYSGLYQCTAGNEAGKESCVRVTVQYVQSIGMVAGAVGTIVAGALLI  
FLLFVLLLRKDKERYEEERPEINEADEAPKARLVKHPSSSSSSSSSSSSSSSSSSSSSS  
ASRSQRTLTSDAAPQPLATQAYSILVGPVEVRGSEPKVKPHANLTKAETTPSMIPQSRAFOT

amino acids 1-16

## amino acids 232-251